

Patent claims:

1. Wave-power device, with a plurality of floating bodies (12) arranged in at least two parallel rows for vertical movement caused by wave movements, where each floating
5 body is connected to a generator (22) for the generating of electrical energy during the vertical movement, and which floating bodies are jointed to a raft (11) which can be relocated on the water and which can be moored at an arbitrary place of use,
characterized in that the floating bodies (12) are connected to vertical supporting bars (14) which are held between an upper lattice-like structure (15, 16) and a lower lattice-
10 like structure (17, 18), and where each of the vertical supporting bars (14) is connected to an electric generator (22).
2. Wave-power device according to claim 1, **characterized** in that the floating bodies (12) are arranged to be moveable on the vertical supporting bars (14), as each floating
15 body encloses a movable generator part (25).
3. Wave-power device according to claim 2, **characterized** in that the vertical supporting bar is designed with a pitch rack-like part which during movement drives an electric rotating generator which is arranged in each floating body.
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4. Wave-power device according to claim 1, **characterized** in that each floating body is fastened to a vertical supporting bar which is coupled to the upper lattice-like structure (15, 16) and the lower lattice-like structure (17, 18), and that one end of the vertical supporting bar is designed with a pitch rack-like part which during movement
25 drives an electric rotating generator.
5. Wave-power device according to any one of the claims 1-4, **characterized** in that at two opposite sides of the lattice-like structure (15, 16, 17, 18), which bears floating bodies (12), is arranged a buoyancy tank (19, 20) which in operation of the wave-
30 power device are at least partly filled with water, so that they are lowered to a depth in the water, where the supporting structure of the floating bodies (12) stays mainly stable and unaffected of wave movements.

6. Wave-power device according to any one of the claims 1-5, **characterized** in that the upper lattice-like structure includes lengthwise and crosswise directed connection bars (15, 16), where the junctures form holders for the vertical supporting bars (14).
- 5 7. Wave-power device according to any one of the claims 1-6, **characterized** in that the lower lattice-like structure includes lengthwise and crosswise directed connection bars (17, 18), where the junctures form holders for the vertical supporting bars (14).
- 10 8. Wave-power device according to claim 2, **characterized** in that the vertical supporting bars (14) are integrated with stator coils (27) and iron elements (28), while each floating body (12) has a centrally located tube (29) of permanent magnetic material.
- 15 9. Wave-power device according to any one of the claims 1-8, **characterized** in that the stator coils (27) of the generators are connected to a rectifier and to a DC/AC-converter (32) which is common to all of the generators in the wave-power device.
- 20 10. Wave-power device according to claim 9, **characterized** in that the supporting bars (14) accomodate capacitors and/or rectifiers for the generated current.
- 25 11. Wave-power device according to any one of claims 1-2, **characterized** in that at the lower edge of the floating bodies is arranged a scraping element for keeping the supporting bars (14) free of fouling.
- 30 12. Wave-power device according to claim 5, **characterized** in that the buoyancy tanks (19, 20) are rotatably coupled at its ends, preferably at its longitudinal axles, to be able to rotate the buoyancy tanks for removal of fouling.
13. Wave-power device according to claim 5, **characterized** in that the buoyancy tanks (19, 20) provided can be filled with water for lowering the wave-power device down into the sea, so that the floating bodies (12) go down to a level and thus remove the risk of damage during bad weather.